

Year 11 – NEA Task

What are we learning about?

You will learn how to read and interpret a task title and understand what it is asking you to do. You will learn about different methods of research and how to use your research to make decisions to complete the task. You will learn how the design process should be more detailed than previous projects and how to work at an industrial level of planning and manufacturing.



Why are we learning about it?

The NEA Task is 50% of your final grade. To ensure that you are successful you will need to learn about the expectations and success criteria to gain the higher marks. This is an opportunity for you to show your design knowledge and put all of your technical skills into practice.



What new KNOWLEDGE will I gain?

- The importance of carrying out research using multiple different methods.
- How planning can help you to avoid setbacks and save time.
- How identifying and working with a client can support the design process.
- What the criteria of the mark scheme is and how to access the higher grades.



How does this build on the SKILLS I already have?

During year 10 you carried out multiple design and manufacturing projects. They were quick, simple and you were supported. This task requires you to be confident, work independently and determined to show your understanding and technical skills within the workshop. You have done multiple drawing tasks.



What new SKILLS will I develop?

- Critically analysing existing products.
- Create technical drawings to support the manufacturing process.
- Creating a manufacturing plan to make your prototype.
- Carry out testing of a prototype in its intended environment.



How does this build on the KNOWLEDGE I already have?

- The importance of carrying out research
- How to design development has multiple stages.
- The importance of modelling before manufacturing a prototype.
- Why drawing ideas in different perspective can help to bring a design to life.